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Subject: Frank power amp impedance, organ speakers

Posted by [rodak](#) on Sat, 25 Aug 2018 18:17:21 GMT

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I understand that most (all?) of the Kombo I organs used the older Frank power amps - correct? What is the lowest impedance those amps can take? I ask because a friend just bought a J1295 organ, thinking of replacing the speakers, and wondering whether to get 16 ohm speaker or 8 ohms. Presumably, they'd be wired all in parallel. I have the L1595 model, and honestly, I don't recall whether the speakers are 8 ohm or 16 ohm.

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Subject: Re: Frank power amp impedance, organ speakers

Posted by [pleat](#) on Sun, 26 Aug 2018 01:27:06 GMT

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I would suggest that 8 ohm speakers be used and wired in series parallel for a 8 ohm load to the amp since it does have a extension speaker output jack. With the Kombo 1 organ, you will want to add a monitor speaker behind the organ to judge how loud the front of the organ is being played at. We used the Kombo 1 organ in our band back in the 60's and without a speaker behind the organist, he would be blasting way to loud.

pleat

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Subject: Re: Frank power amp impedance, organ speakers

Posted by [rodak](#) on Sun, 26 Aug 2018 20:03:40 GMT

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Thanks, so the Frank power amp can handle a 4 ohm load?

So I'm guessing the L1595 had 16 ohm speakers, and the J1295 probably had 8 ohm speakers - does that sound right?

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Subject: Re: Frank power amp impedance, organ speakers

Posted by [pleat](#) on Sun, 26 Aug 2018 22:51:58 GMT

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Yes, the Frankie amps and the K200 series amps are a 4 ohm total load amplifier. Kustom intentionally mis matched the impedance of the 2x15 cabinet using 16 ohm speakers wired in parallel for a 8 ohm total load cabinet being driven with a 100 watt 4 ohm amp. If you added a second 2x15 cabinet then the amp would see the 4 ohm load and was the main reason that Kustom were reliable when most other brands would fail when adding speaker cabinets.

pleat

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